

F.A.P.	STATE PROJECT	PARISH	SHEET NO.

NOTES:

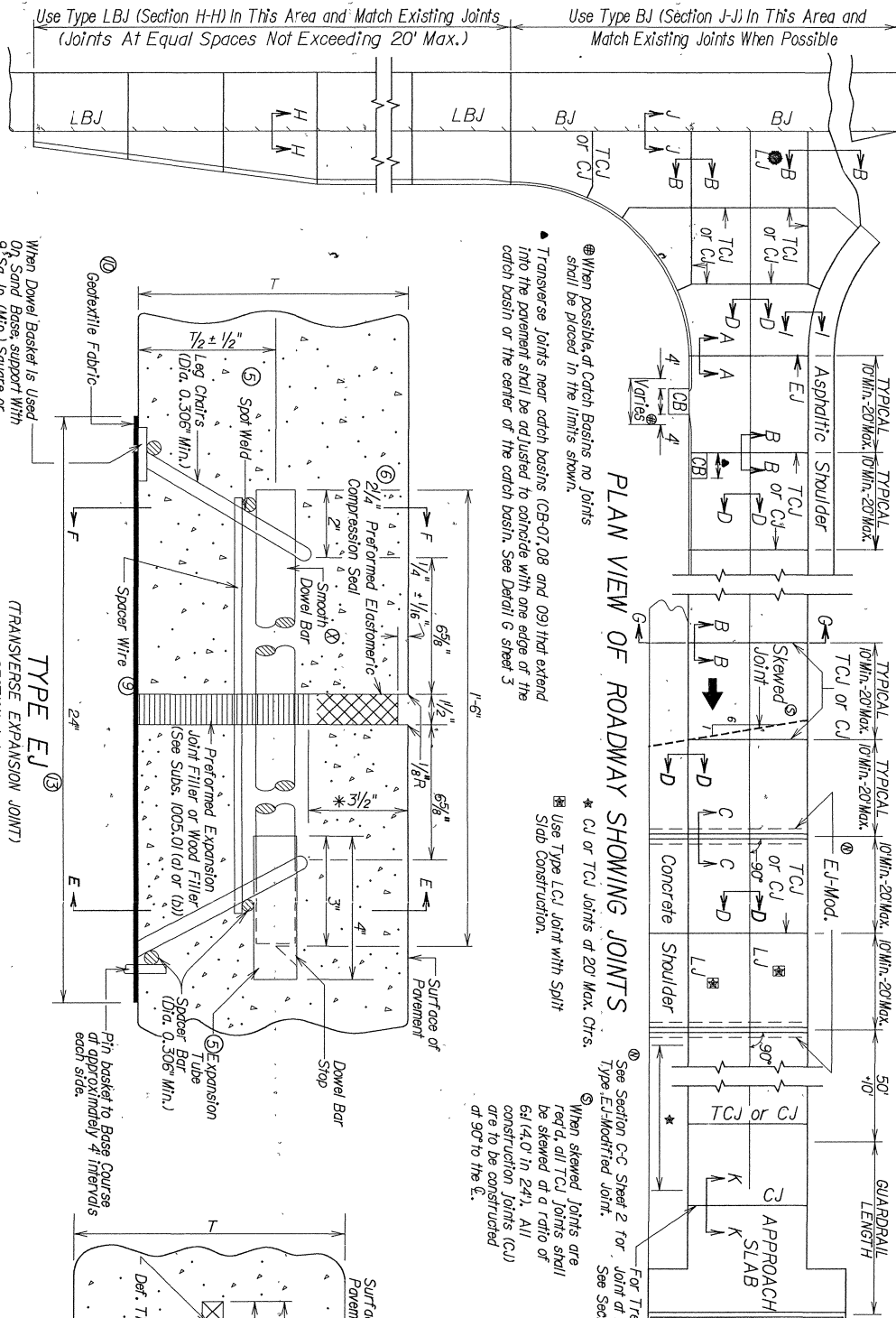
- Pavement edges shall be slightly rounded (1/4" approx.).
- Asphaltic Concrete Shoulder. The Shoulder joints shall be saw cut and constructed in accordance with Section 1-1.
- For sections C-C, E-E, F-F, G-G, H-H, I-I, & K-K, see sheet 2 of this standard.
- All joints to be used where shown on this sheet or as shown elsewhere in the plans or as otherwise directed by the engineer.
- On Type EJ joints, spot weld alternate ends of dowel bars to dowel baskets and place expansion tubes on free ends of dowel bars.
- Type EJ joints shall be sealed with performed elastomeric compression joint seals conforming to Subsection 1005.03. The seals shall have a nominal width of 2 1/4" before compression. Joints shall be cleaned prior to sealing.
- For Design speeds of 45 mph or greater:
 - Type L-J joints shall be saw cut and constructed as in Detail F-F. The joint shall be saw cut and cleaned prior to sealing with a joint sealant conforming to Subsection 1005.02(b) or (c).
 - Type TCU or CJ shall be saw cut as shown in Detail C-C or D-D and to the depth shown in Table 1. The joint shall be sand blasted and cleaned immediately prior to sealing. The initial cut shall be made with 1/8" minimum blade. The sealant shall be a performed elastomeric seal in accordance with subsection 1005.03 or a silicone sealant in accordance with subsection 1005.02(a).
 - For Design speeds less than 45 mph:
 - Type L-J joints shall be saw cut as described in 7(c).
 - Type TCU or CJ joints shall be constructed as follows:
 - Constructed as described in 7 (b).
 - With a removable forming device as shown in Details 1-1 or 1-2. The joint shall be sand blasted and cleaned immediately prior to sealing and may require sawing to achieve proper reservoir dimensions.
 - With a combination joint former/sealer as shown in Detail E-E. The sealer shall conform to Subsection 1005.04 and be installed in accordance with Subsection 601.09(c)(3) and no additional sealant is required.
- Except as noted below, dowel bars & tie bars shall be held in place by supports similar to the ones shown, or approved equals. Approved mechanical placement of dowel bars and tie bars will be allowed with all paving methods. When dowel bar baskets are used, approximately the center 7" of spacer wires, that spans across the joint, shall be clipped and removed after sticking baskets in place.
- Install Geotextile Fabric under all TCU, CJ and EJ joints when concrete pavement is placed on unstabilized or untreated base courses or subbases. When dowel bars are mechanically implanted, the Geotextile Fabric shall be anchored to the base course with pins.
- When constructing concrete curb and gutter adjacent to new P, C, C, pavement, use Type LCJ joint. When adjacent to existing P, C, C, pavement, use Type LBJ joint. The first load transfer device shall be installed 18" from the pavement edge.
- Transverse Expansion Joints are not to be used for Construction Joints.
- Concrete Shoulders:
 - Construct TCU joints in accordance with Section B-B.
 - Construct LCJ joints in accordance with section D-D. This sheet and L-J joints in accordance with section D-D.
 - Use the Maximum shoulder thickness when determining Dowel bar and Tie bar sizes in Table 1.
 - When skewed joints are used on machine paving the shoulder TCU joints may be skewed to match the machine.
 - Shoulder joints and joint intervals will match the machine.
 - Height of dowel basket will be based on the finished shoulder thickness. Also varying height dowel baskets will be allowed.
- Tiebars shall not be placed within 18" of contraction or expansion joints.

TABLE 1
(All dimensions are in inches.)

Pavement Thickness	Smooth Dowel Bars			Def. Tie Bars			Minimum Depth of Joint		KEYWAY	
7"	Size	Length	Spacing	Size	Length	Spacing	TCI & CJ	L-J	A 3/4"	B 3/4"
8	1/4	18	12	1/2	24	24	3	3	2 1/2	1/4
9	1/4	18	12	1/2	24	24	3	3 1/2	2 1/2	1/4
10	1/2	18	12	1/2	24	24	3 1/2	4	2 1/2	1/4
11	1/2	18	12	3/8	30	24	3 1/2	4	2 1/2	1/4
12	1/2	18	12	3/8	30	24	4	4 1/2	3	1/2
13	1/2	18	12	3/8	30	24	4	4 1/2	3	1/2
14	1/2	18	12	3/8	30	24	4 1/2	5	3	1/2

PLAN VIEW OF ROADWAY SHOWING JOINTS

- When possible of Catch Basins no joints still be placed in the limits shown.
- Transverse Joints near catch basins (CB-07.08 and 09) that extend into the pavement shall be adjusted to coincide with one edge of the catch basin or the center of the catch basin. See Detail 6 sheet 3
- Use Type LCJ joint with Split Slab construction.
- CJ or TCU joints at 20' Max. Ctrs.
- When skewed joints are used, all TCU joints shall be skewed at a ratio of 6:1 (4.0 in 24'). All construction joints (CJ) are to be constructed at 90° to the E.



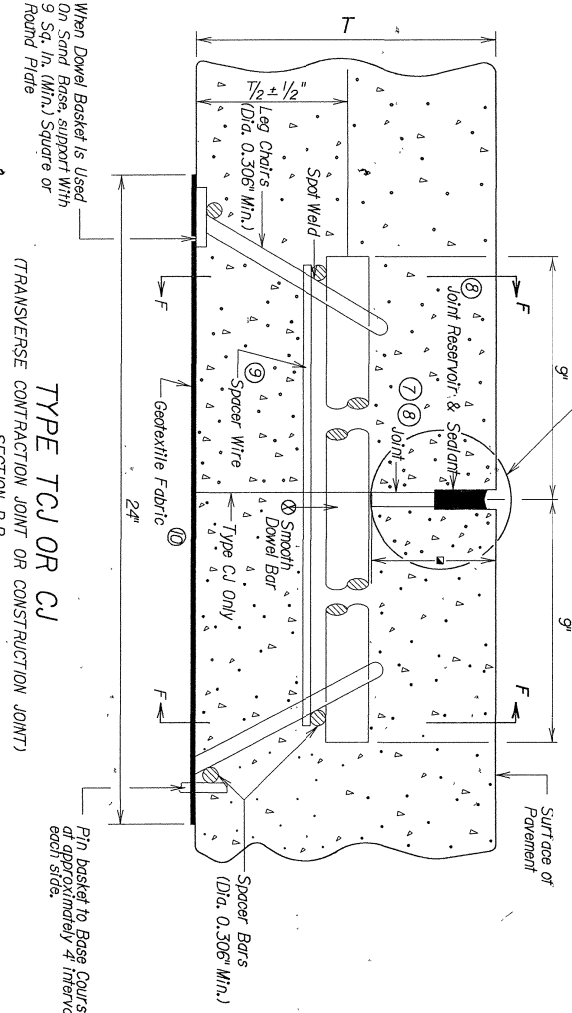
TYPE EJ TRANSVERSE EXPANSION JOINT

- When Dowel Basket is Used Or Sand Base, support with 9" Sq. In. (Min.) Square or Round Pile
- Geotextile Fabric
- Spot Weld
- Leg Chairs (Dia. 0.306" Min.)
- Smooth Dowel Bar
- Preformed Expansion Joint Filler or Wood Filler (See Subs. 1005.01 (a) or (b))
- Expansion Tube (Dia. 0.306" Min.)
- Spacer Bar
- Pin basket to Base Course at approximately 4' intervals each side.

DETAILS A, B, C, D, and E (see sheet 3)

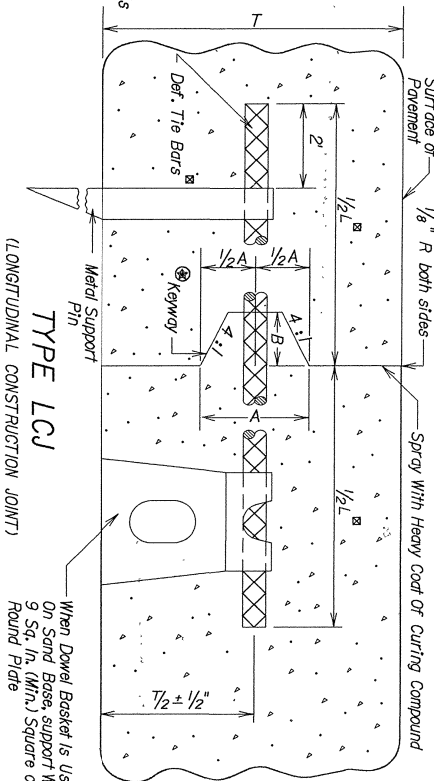
TYPE TCU OR CJ TRANSVERSE CONTRACTION JOINT OR CONSTRUCTION JOINT

See Table 1



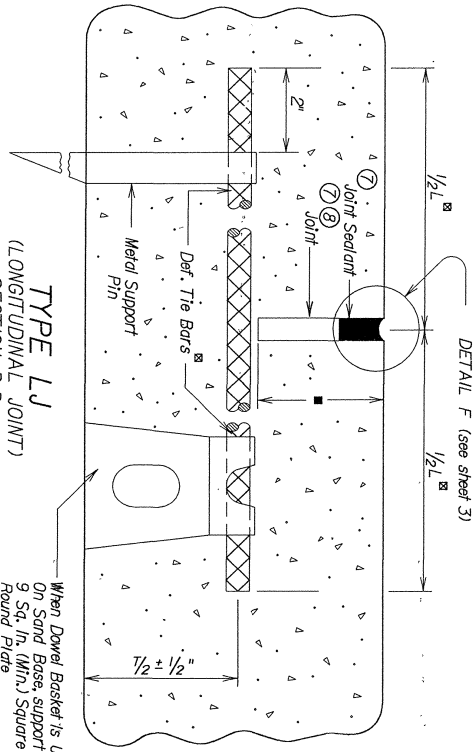
TYPE LCJ LONGITUDINAL CONTRACTION JOINT

- For Keyway dimensions A & B see Table 1. In lieu of the Keyway, one of the following options will be allowed:
 - Install Tie Bars of the size shown in Table 1.
 - Install Tie Bars 1/4" larger than the tie bar diameter shown in Table 1, at the same spacing.
- See Table 1



TYPE LJ LONGITUDINAL JOINT SECTION D-D (Required when Pavement Width Exceeds 15')

See Note (7)
See Table 1



STANDARD PLAN NO. CP-01

PORTLAND CEMENT
CONCRETE PAVEMENT
DETAILS

DATED APRIL 28, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED	CHECKED	BY	DATE
J. P. J.	C. S. D.		
GRAPHIC AREA 2546	FILE NAME CP-01		
APPROVED Original Signed by Chief Engineer			
DATE			